

I claim as my invention:

- SUB B1
5
252/71
1. A heat transfer surface having a thermal conductivity substantially greater than silver.
 2. The heat transfer surface of claim 1 comprising sodium chromate, silver dichromate, and monocrystalline silicon.
 - 10 3. The heat transfer surface of claim 2 wherein said silver dichromate and said monocrystalline silicon have been treated by a step of magnetic resonating.
 4. The heat transfer surface of claim 3 wherein said monocrystalline silicon is powder during said magnetic resonating step.
 - 15 5. The heat transfer surface of claim 1 wherein said monocrystalline silicon has a purity greater than 99.999%
- sub A

SUB B1
6. A heat transfer surface having a thermal conductivity which substantially increases above an activation temperature.

5 7. The heat transfer surface of claim 6 comprising sodium chromate, silver dichromate, and monocrystalline silicon.

8. The heat transfer surface of claim 7 wherein said silver dichromate and said monocrystalline silicon have been treated by a step of magnetic resonating.

10 9. The heat transfer surface of claim 8 wherein said monocrystalline silicon is powder during said magnetic resonating step.

Sub A2
15 10. The heat transfer surface of claim 6 wherein said monocrystalline silicon has a purity greater than 99.999%.